

**Table 1C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Demographic Indicators** (2)

Total Records	Number	%	Source of Data	Number	%
Complete Records	2,827	69.4	WIC	4,074	100.0
Prenatal Records	411	10.1	Maternal Health	0	0.0
Postpartum Records	836	20.5	Other	0	0.0
<b>Total Records Accepted</b>	<b>4,074</b>		<b>Total</b>	<b>4,074</b>	<b>100.0</b>
			<i>Excluded Unknown: 0</i>	<i>0.0</i>	

Race/Ethnic Distribution	Number	%	Age Distribution	Number	%	Education Distribution	Number	%
White, Not Hispanic	2,752	67.6	< 15 Years	4	0.1	< High School	819	21.7
Black, Not Hispanic	165	4.1	15 - 17 Years	179	4.4	High School	1,605	42.5
Hispanic	308	7.6	18 - 19 Years	539	13.2	> High School	1,353	35.8
American Indian/Alaska Native	691	17.0	20 - 29 Years	2,629	64.6	<b>Total</b>	<b>3,777</b>	<b>100.0</b>
Asian/Pacific Islander	43	1.1	30 - 39 Years	680	16.7			
Multiple Races	110	2.7	>= 40 Years	39	1.0			
All Other	0	0.0	<b>Total</b>	<b>4,070</b>	<b>100.0</b>			
<b>Total</b>	<b>4,069</b>	<b>100.0</b>	<i>Excluded Unknown: 4</i>	<i>0.1</i>		<i>Excluded Unknown: 297</i>	<i>7.3</i>	
<i>Excluded Unknown: 5</i>	<i>0.1</i>							

% Poverty Level	Number	%	Program Participation (3)	Number	%	Migrant Status	Number	%
0 - 50	1,196	37.1	WIC	3,238	100.0	Yes	7	0.2
51 - 100	787	24.4	SNAP	3,237	21.5	No	4,059	99.8
101 - 130	501	15.5	Medicaid	3,237	51.5	<b>Total</b>	<b>4,066</b>	<b>100.0</b>
131 - 150	280	8.7	TANF	3,237	3.1			
151 - 185	345	10.7	<i>Excluded Unknown:</i>					
186 - 200	38	1.2	WIC:	0	0.0			
> 200	76	2.4	SNAP:	1	0.0			
Adjunctive Eligibility	0	0.0	Medicaid:	1	0.0			
<b>Total</b>	<b>3,223</b>	<b>100.0</b>	TANF:	1	0.0	<i>Excluded Unknown: 8</i>	<i>0.2</i>	
<i>Excluded Unknown: 15</i>	<i>0.5</i>							

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Prenatal program participation.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 2C**  
**2009 Pregnancy Nutrition Surveillance**  
**North Dakota**  
**Summary of Health Indicators**

(1)

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Summary of Health Indicators (2)				
	North Dakota Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Prepregnancy BMI (3)				
Underweight	3,504	2.8	1,224,766	4.7
Normal Weight	3,504	40.7	1,224,766	43.1
Overweight	3,504	25.3	1,224,766	25.7
Obese	3,504	31.2	1,224,766	26.4
Maternal Weight Gain (4)				
Less Than Ideal	2,990	15.8	963,624	21.4
Ideal	2,990	31.6	963,624	30.3
Greater Than Ideal	2,990	52.6	963,624	48.2
Anemia (Low Hb/Hct) (5)				
1st Trimester	1,363	4.0	394,095	7.6
2nd Trimester	1,038	8.2	354,690	12.1
3rd Trimester	636	27.2	188,530	33.8
Postpartum	2,030	21.3	416,710	29.6
Parity (6)				
0	3,178	39.3	1,149,553	42.6
1	3,178	27.8	1,149,553	26.4
2	3,178	16.0	1,149,553	16.0
≥ 3	3,178	17.0	1,149,553	14.9
Interpregnancy Interval				
< 6 Months	2,160	16.1	618,788	12.6
6 - <18 Months	2,160	31.9	618,788	27.1
≥18 Months	2,160	52.1	618,788	60.3
Gestational Diabetes	3,212	5.9	346,704	4.4
Hypertension During Pregnancy	3,211	10.2	395,960	5.2

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

(6) Number of times a woman has given birth to an infant 20 or more weeks gestation.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 2C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Health Indicators**

Summary of Health Indicators (2)				
	North Dakota Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Medical Care				
1st Trimester	2,212	87.2	580,485	80.1
No Care	2,212	0.0	580,485	3.1
WIC Enrollment				
1st Trimester	3,551	43.0	1,187,387	31.7
2nd Trimester	3,551	30.0	1,187,387	34.0
3rd Trimester	3,551	17.8	1,187,387	18.4
Postpartum (3)	3,551	9.2	1,187,387	16.0
Prepregnancy Multivitamin Consumption (4)	2,917	22.0	266,567	19.3
Multivitamin Consumption During Pregnancy (5)	2,700	6.0	269,548	80.6
Smoking				
3 Months Prior to Pregnancy	3,217	46.6	999,199	23.1
During Pregnancy	3,150	27.6	926,915	14.2
Last 3 Months of Pregnancy	3,245	25.5	856,953	14.2
Postpartum	3,207	31.1	839,512	16.1
Smoking Changes (6)				
Quit Smoking by First Prenatal Visit	1,442	40.6	193,938	42.1
Quit Smoking by First Prenatal Visit and Stayed Off Cigarettes	1,110	33.3	146,933	35.5
Smoking in Household				
During Pregnancy	3,063	18.0	655,095	18.9
Postpartum	3,114	7.6	578,852	19.9
Drinking				
3 Months Prior to Pregnancy	2,185	25.0	975,737	7.8
Last 3 Months of Pregnancy	3,223	0.5	701,124	0.4

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Women who initially enrolled in WIC during the postpartum period.

(4) Women who reported taking a multivitamin four times a week or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

(6) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 2C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Health Indicators**

Summary of Health Indicators (2)				
	North Dakota Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Birthweight (3)				
Very Low	1,677	1.6	1,085,134	1.1
Low	1,677	6.6	1,085,134	7.1
Normal	1,677	83.1	1,085,134	85.2
High	1,677	8.7	1,085,134	6.6
Preterm (4)	1,394	12.4	1,025,278	11.5
Full term Low Birth Weight (5)	1,214	2.1	890,981	3.6
Multiple Births	3,013	0.9	1,060,021	1.4
Breastfeeding				
Ever Breastfed	2,065	27.2	952,980	65.4

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Very low birth weight (<1500 g), low birth weight (1500 - <2500 g), normal birth weight (2500 - <4000 g), high birth weight (>4000 g).

(4) <37 weeks gestation.

(5) 37 or more weeks gestation and <2500 g.

**Table 3C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Comparison of Racial and Ethnic Distribution by Contributor to Nation**

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<b>Comparison of Racial and Ethnic Distribution</b> (2)								
	Number Included in Analysis	White, Not Hispanic  %	Black, Not Hispanic  %	Hispanic  %	American Indian/Alaska Native %	Asian/Pacific Islander  %	Multiple Races  %	All Other/Unknown  %
<b>North Dakota</b>	<b>4,074</b>	<b>67.6</b>	<b>4.1</b>	<b>7.6</b>	<b>17.0</b>	<b>1.1</b>	<b>2.7</b>	<b>0.1</b>
<b>Nation (Prior Year)</b>	<b>1,307,887</b>	<b>42.0</b>	<b>24.2</b>	<b>28.1</b>	<b>1.0</b>	<b>3.1</b>	<b>1.1</b>	<b>0.5</b>

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 4C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Comparison of Age Distribution by Contributor to Nation**

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<b>Comparison of Age Distribution</b> (2)								
	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
<b>North Dakota</b>	<b>4,074</b>	<b>0.1</b>	<b>4.4</b>	<b>13.2</b>	<b>64.5</b>	<b>16.7</b>	<b>1.0</b>	<b>0.1</b>
<b>Nation (Prior Year)</b>	<b>1,307,887</b>	<b>0.3</b>	<b>6.3</b>	<b>12.6</b>	<b>59.7</b>	<b>19.4</b>	<b>1.4</b>	<b>0.3</b>

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 5C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Comparison of Maternal Health Indicators by Contributor to Nation**

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Comparison of Maternal Health Indicators (2)														
	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	%	%	Number	%	%	Number	%	Number	%	Number	%	Number	%
North Dakota	3,504	2.8	56.5	2,990	15.8	52.6	636	27.2	2,030	21.3	3,212	5.9	3,211	10.2
Nation (Prior Year)	1,224,766	4.7	52.1	963,624	21.4	48.2	188,530	33.8	416,710	29.6	346,704	4.4	395,960	5.2

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 6C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Comparison of Maternal Behavioral Indicators by Contributor to Nation**

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<b>Comparison of Maternal Behavioral Indicators</b> (2)							
	Medical Care			WIC Enrollment		Multivitamin Consumption	
	1st Trimester		No Care	1st Trimester		Prepregnancy (3)	During Pregnancy (4)
	Number	%	%	Number	%	Number	%
<b>North Dakota</b>	<b>2,212</b>	<b>87.2</b>	<b>0.0</b>	<b>3,551</b>	<b>43.0</b>	<b>2,917</b>	<b>22.0</b>
<b>Nation (Prior Year)</b>	<b>580,485</b>	<b>80.1</b>	<b>3.1</b>	<b>1,187,387</b>	<b>31.7</b>	<b>266,567</b>	<b>19.3</b>

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Women who reported taking a multivitamin four times a week or more in the month before pregnancy; proxy for folic acid consumption.

(4) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.





**Table 7C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Comparison of Smoking Indicators by Contributor to Nation**

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Comparison of Smoking Indicators (2)										
	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	%	Number	%	Number	%	Number	%	Number	%
North Dakota	3,217	46.6	3,245	25.5	1,110	33.3	3,063	18.0	3,114	7.6
Nation (Prior Year)	999,199	23.1	856,953	14.2	146,933	35.5	655,095	18.9	578,852	19.9

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 8C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Comparison of Infant Health Indicators by Contributor to Nation**

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<b>Comparison of Infant Health Indicators</b> (2)									
	Birthweight			Preterm (5)	Full Term LBW (6)	Ever Breastfed			
	Low (3)		High (4)						
	Number	%	%	Number	%	Number	%	Number	%
<b>North Dakota</b>	<b>1,677</b>	<b>8.2</b>	<b>8.7</b>	<b>1,394</b>	<b>12.4</b>	<b>1,214</b>	<b>2.1</b>	<b>2,065</b>	<b>27.2</b>
<b>Nation (Prior Year)</b>	<b>1,085,134</b>	<b>8.2</b>	<b>6.6</b>	<b>1,025,278</b>	<b>11.5</b>	<b>890,981</b>	<b>3.6</b>	<b>952,980</b>	<b>65.4</b>

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 9C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**

**Maternal Health Indicators by Race/Ethnicity, Age, or Education**

Maternal Health Indicators by Race/Ethnicity, Age, or Education													(2)	
	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				Gestational Diabetes		Hypertension During Pregnancy	
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	%	%	Number	%	%	Number	%	Number	%	Number	%	Number	%
Race/Ethnicity														
White, Not Hispanic	2,354	2.8	55.4	2,004	14.3	54.0	457	23.0	1,427	17.4	2,186	5.5	2,184	11.4
Black, Not Hispanic	137	3.6	58.4	118	25.4	35.6	20	*	84	*	132	6.8	132	7.6
Hispanic	254	1.2	55.9	207	16.9	51.7	43	*	135	27.4	223	9.0	224	5.8
American Indian/Alaska Native	631	2.9	62.4	556	18.2	51.1	97	*	313	32.3	547	6.2	547	8.4
Asian/Pacific Islander	35	*	*	28	*	*	9	*	13	*	34	*	34	*
Multiple Races	90	*	*	77	*	*	10	*	57	*	90	*	90	*
All Other/Unknown	3	*	*	0	*	*	0	*	1	*	0	*	0	*
Total	3,504	2.8	56.5	2,990	15.8	52.6	636	27.2	2,030	21.3	3,212	5.9	3,211	10.2
Age														
< 15 Years	4	*	*	4	*	*	1	*	3	*	3	*	3	*
15 - 17 Years	153	5.9	26.1	133	15.8	48.9	17	*	84	*	131	3.1	131	4.6
18 - 19 Years	487	3.7	42.3	418	11.5	57.9	85	*	263	28.9	409	3.4	409	8.6
20 - 29 Years	2,254	2.9	58.0	1,916	15.9	53.4	435	25.7	1,299	20.7	2,081	4.4	2,080	9.7
30 - 39 Years	572	0.7	70.6	488	18.6	46.3	92	*	359	17.5	553	13.6	553	14.1
>= 40 Years	31	*	*	28	*	*	5	*	22	*	33	*	33	*
Unknown	3	*	*	3	*	*	1	*	0	*	2	*	2	*
Total	3,504	2.8	56.5	2,990	15.8	52.6	636	27.2	2,030	21.3	3,212	5.9	3,211	10.2
Education														
< High School	721	3.5	50.6	623	18.3	51.2	118	31.4	397	27.5	642	5.3	642	7.5
High School	1,410	2.8	57.8	1,195	15.0	53.4	258	28.7	780	22.4	1,268	5.8	1,268	11.3
> High School	1,126	2.0	58.9	965	14.0	53.3	216	21.8	696	15.8	1,075	6.4	1,075	11.3
Unknown	247	4.0	55.5	207	21.3	48.8	44	*	157	24.8	227	6.6	226	6.2
Total	3,504	2.8	56.5	2,990	15.8	52.6	636	27.2	2,030	21.3	3,212	5.9	3,211	10.2

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for health indicators, and data with errors for health and demographic indicators.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 10C**  
**2009 Pregnancy Nutrition Surveillance**  
**North Dakota**  
**Maternal Behavioral Indicators by Race/Ethnicity, Age, or Education**

(1)

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<b>Maternal Behavioral Indicators by Race/Ethnicity, Age, or Education</b> <sup>(2)</sup>									
	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Pregnancy (3)		During Pregnancy (4)	
	Number	%	%	Number	%	Number	%	Number	%
<b>Race/Ethnicity</b>									
White, Not Hispanic	1,462	89.7	0.0	2,381	42.5	1,986	25.0	1,830	7.0
Black, Not Hispanic	94	*	*	141	44.0	99	*	101	3.0
Hispanic	154	86.4	0.0	254	43.7	214	18.2	187	5.3
American Indian/Alaska Native	426	79.6	0.0	641	44.5	504	14.7	475	3.4
Asian/Pacific Islander	18	*	*	37	*	30	*	31	*
Multiple Races	58	*	*	92	*	83	*	74	*
All Other/Unknown	0	*	*	5	*	1	*	2	*
<b>Total</b>	<b>2,212</b>	<b>87.2</b>	<b>00.0</b>	<b>3,551</b>	<b>43.0</b>	<b>2,917</b>	<b>22.0</b>	<b>2,700</b>	<b>6.0</b>
<b>Age</b>									
< 15 Years	3	*	*	3	*	3	*	4	*
15 - 17 Years	100	76.0	0.0	168	49.4	140	3.6	138	2.2
18 - 19 Years	317	88.0	0.0	496	46.2	413	11.1	388	5.2
20 - 29 Years	1,428	87.9	0.0	2,268	42.0	1,886	22.6	1,735	6.5
30 - 39 Years	342	87.1	0.0	579	42.3	449	34.1	409	6.4
>= 40 Years	19	*	*	33	*	23	*	23	*
Unknown	3	*	*	4	*	3	*	3	*
<b>Total</b>	<b>2,212</b>	<b>87.2</b>	<b>00.0</b>	<b>3,551</b>	<b>43.0</b>	<b>2,917</b>	<b>22.0</b>	<b>2,700</b>	<b>6.0</b>
<b>Education</b>									
< High School	475	80.8	0.0	748	44.4	622	11.9	578	2.4
High School	898	89.3	0.0	1,428	44.4	1,194	18.5	1,078	5.9
> High School	707	89.0	0.0	1,125	42.4	952	33.2	891	8.1
Unknown	132	86.4	0.0	250	33.6	149	21.5	153	7.8
<b>Total</b>	<b>2,212</b>	<b>87.2</b>	<b>00.0</b>	<b>3,551</b>	<b>43.0</b>	<b>2,917</b>	<b>22.0</b>	<b>2,700</b>	<b>6.0</b>

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for behavioral indicators, and data with errors for behavioral and demographic indicators.

(3) Women who reported taking a multivitamin four times a week or more in the month before pregnancy; proxy for folic acid consumption.

(4) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 11C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Smoking Indicators by Race/Ethnicity, Age, or Education**

Smoking Indicators by Race/Ethnicity, Age, or Education (2)										
	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	%	Number	%		Number	%	Number	%	
Race/Ethnicity										
White, Not Hispanic	2,125	46.5	2,209	25.3	739	33.4	2,028	17.1	2,107	7.7
Black, Not Hispanic	132	7.6	133	5.3	5	*	122	5.7	127	1.6
Hispanic	232	30.6	228	14.0	44	*	221	14.0	220	6.8
American Indian/Alaska Native	598	62.0	550	35.8	280	33.9	571	23.6	538	8.9
Asian/Pacific Islander	33	*	34	*	4	*	33	*	32	*
Multiple Races	94	*	91	*	38	*	85	*	90	*
All Other/Unknown	3	*	0	*	0	*	3	*	0	*
Total	3,217	46.6	3,245	25.5	1,110	33.3	3,063	18.0	3,114	7.6
Age										
< 15 Years	4	*	3	*	0	*	4	*	3	*
15 - 17 Years	153	47.1	134	20.9	48	*	154	33.8	133	15.0
18 - 19 Years	453	56.5	405	30.1	190	37.4	436	27.1	391	8.7
20 - 29 Years	2,079	47.7	2,106	26.3	734	34.1	1,962	16.2	2,020	7.5
30 - 39 Years	499	33.1	561	20.1	127	23.6	478	12.3	534	6.0
>= 40 Years	26	*	33	*	10	*	26	*	30	*
Unknown	3	*	3	*	1	*	3	*	3	*
Total	3,217	46.6	3,245	25.5	1,110	33.3	3,063	18.0	3,114	7.6
Education										
< High School	713	58.8	650	40.3	311	25.7	671	27.0	625	12.2
High School	1,309	50.3	1,284	29.4	487	30.6	1,243	18.5	1,250	7.0
> High School	1,008	33.9	1,084	12.3	251	47.8	965	11.5	1,022	5.6
Unknown	187	42.8	227	24.2	61	*	184	15.8	217	8.3
Total	3,217	46.6	3,245	25.5	1,110	33.3	3,063	18.0	3,114	7.6

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for smoking indicators, and data with errors for smoking and demographic indicators.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 12C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Infant Health Indicators by Race/Ethnicity, Age, or Education**

Infant Health Indicators by Race/Ethnicity, Age, or Education (2)									
	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
	Low (3)	High (4)							
	Number	%	%	Number	%	Number	%	Number	%
Race/Ethnicity									
White, Not Hispanic	1,127	9.5	8.2	918	12.5	799	2.6	1,358	29.9
Black, Not Hispanic	58	*	*	54	*	46	*	73	*
Hispanic	119	2.5	7.6	92	*	82	*	139	25.2
American Indian/Alaska Native	313	6.4	12.5	282	13.1	244	1.2	420	14.0
Asian/Pacific Islander	13	*	*	9	*	9	*	17	*
Multiple Races	47	*	*	39	*	34	*	58	*
All Other/Unknown	0	*	*	0	*	0	*	0	*
Total	1,677	8.2	8.7	1,394	12.4	1,214	2.1	2,065	27.2
Age									
< 15 Years	3	*	*	3	*	3	*	3	*
15 - 17 Years	67	*	*	61	*	51	*	83	*
18 - 19 Years	194	5.7	7.2	171	12.3	149	0.7	256	15.2
20 - 29 Years	1,079	7.0	8.3	890	12.6	774	2.5	1,336	28.4
30 - 39 Years	321	5.3	10.9	259	11.6	228	1.8	371	32.9
>= 40 Years	13	*	*	10	*	9	*	15	*
Unknown	0	*	*	0	*	0	*	1	*
Total	1,677	8.2	8.7	1,394	12.4	1,214	2.1	2,065	27.2
Education									
< High School	335	6.6	7.8	295	12.2	258	1.6	425	15.8
High School	624	6.1	8.2	529	11.2	466	2.4	805	22.7
> High School	596	6.5	10.6	467	12.8	406	2.0	690	39.1
Unknown	122	9.8	4.9	103	17.5	84	*	145	28.3
Total	1,677	8.2	8.7	1,394	12.4	1,214	2.1	2,065	27.2

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for health indicators, and data with errors for health and demographic indicators.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 13C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Maternal Weight Gain and Birth Outcomes by Select Health Indicators**

Maternal Weight Gain and Birth Outcomes by Select Health Indicators (2)											
		Weight Gain (3)			Birth Outcomes						
		< Ideal		> Ideal	Birthweight			Preterm (6)		Full Term LBW (7)	
					Low (4)		High (5)				
		Number	%	%	Number	%	%	Number	%	Number	%
Pregpregnancy BMI											
Underweight		83	*	*	36	*	*	36	*	27	*
Normal Weight		1,236	17.7	42.6	552	10.0	6.0	553	14.5	470	2.6
Overweight		742	10.6	65.6	352	8.2	8.8	345	11.6	304	1.3
Obese		929	16.8	57.6	427	5.6	13.3	420	9.3	379	1.8
Weight Gain											
< Ideal		–	–	–	205	13.7	5.4	205	19.5	165	1.8
Ideal		–	–	–	438	11.4	6.4	437	15.6	367	3.8
> Ideal		–	–	–	703	4.6	11.7	691	8.2	632	0.9
Smoking During Pregnancy											
Smokers		724	17.8	50.0	312	9.0	6.1	310	11.0	276	3.3
Non-Smokers		1,878	14.8	52.8	851	6.7	10.6	847	11.6	747	1.7

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight pre-pregnancy (ideal weight gain = 25 to 35 pounds), overweight pre-pregnancy (ideal weight gain = 15 to 25 pounds), obese pre-pregnancy (ideal weight gain = 11 to 20 pounds).

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 14C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Racial and Ethnic Distribution**

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Summary of Trends in Racial and Ethnic Distribution (2)								
Year	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
2009	4,074	67.6	4.1	7.6	17.0	1.1	2.7	0.1
2008	4,201	67.8	3.4	7.3	17.5	1.2	2.7	0.0
2007	4,281	67.3	3.3	7.8	17.4	1.3	2.6	0.3
2006	0	*	*	*	*	*	*	*
2005	3,335	71.0	3.0	4.2	20.6	1.2	0.0	0.0
2004	3,242	74.2	2.8	4.3	17.5	1.2	0.0	0.0
2003	3,668	73.2	3.0	5.2	17.6	1.0	0.0	0.0
2002	3,628	75.2	2.4	4.0	17.4	1.0	0.0	0.0
2001	2,671	73.6	3.3	4.5	17.3	1.3	0.0	0.0
2000	3,556	76.1	2.5	4.0	16.0	1.3	0.0	0.0
1999	3,567	77.5	2.7	4.0	14.6	1.2	0.0	0.0
1998	3,773	77.4	2.6	4.7	14.4	0.9	0.0	0.0
1997	3,947	78.2	2.3	4.2	14.0	1.3	0.0	0.0
1996	2,573	79.4	2.3	3.6	13.0	1.7	0.0	0.0
1995	3,633	81.8	1.9	3.5	11.3	1.4	0.0	0.0
1994	0	*	*	*	*	*	*	*
1993	2,573	80.4	1.6	2.7	13.8	1.5	0.0	0.0
1992	988	78.7	1.9	2.7	15.5	1.1	0.0	0.0
1991	1,504	80.6	1.3	3.1	14.2	0.8	0.0	0.0
1990	2,784	81.0	1.5	3.2	13.3	1.0	0.0	0.0
1989	1,387	78.2	1.6	2.6	16.3	1.4	0.0	0.0

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.





**Table 15C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Age Distribution**

<b>Summary of Trends in Age Distribution</b> (2)								
Year	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
2009	4,074	0.1	4.4	13.2	64.5	16.7	1.0	0.1
2008	4,201	0.1	5.0	12.7	65.7	15.4	1.0	0.0
2007	4,281	0.3	4.9	12.9	66.6	14.4	1.0	0.0
2006	0	*	*	*	*	*	*	*
2005	3,335	0.3	5.0	12.6	66.6	14.2	1.0	0.3
2004	3,242	0.2	4.3	13.2	64.8	16.1	0.9	0.4
2003	3,668	0.2	4.7	14.4	64.6	14.7	1.0	0.4
2002	3,628	0.2	5.1	15.4	63.2	14.9	0.9	0.3
2001	2,671	0.2	6.1	15.7	62.0	14.6	0.9	0.4
2000	3,556	0.1	5.8	15.9	60.5	16.0	1.0	0.6
1999	3,567	0.3	5.3	14.5	62.2	16.3	0.9	0.4
1998	3,773	0.3	6.5	13.8	62.1	15.7	1.0	0.6
1997	3,947	0.3	5.7	13.9	62.5	15.9	0.9	0.8
1996	2,573	0.3	5.6	14.7	61.3	16.6	0.7	0.8
1995	3,633	0.5	6.1	13.8	62.8	15.3	0.9	0.7
1994	0	*	*	*	*	*	*	*
1993	2,573	0.3	7.0	14.5	60.5	16.3	0.8	0.5
1992	988	0.3	6.0	16.7	59.9	16.1	0.3	0.7
1991	1,504	0.5	4.9	15.0	62.4	15.7	0.7	0.8
1990	2,784	0.1	5.6	14.4	64.0	14.5	0.6	0.8

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 15C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Age Distribution**

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<b>Summary of Trends in Age Distribution</b> (2)								
Year	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
1989	1,387	0.1	5.6	13.8	62.5	16.7	0.6	0.7

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 16C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Maternal Health Indicators**

Summary of Trends in Maternal Health Indicators (2)										
Year	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
	Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum	
	Number	%	%	Number	%	%	Number	%	Number	%
2009	3,504	2.8	56.5	2,990	15.8	52.6	636	27.2	2,030	21.3
2008	3,586	2.6	55.1	3,009	15.3	53.7	663	26.7	2,638	20.4
2007	3,532	2.7	56.1	2,911	13.9	55.3	615	24.4	3,018	21.2
2006	0	*	*	0	*	*	0	*	0	*
2005	3,162	4.6	52.9	2,192	11.7	55.4	443	22.3	1,896	30.4
2004	3,044	3.8	52.4	2,158	11.4	56.3	419	24.6	1,886	30.4
2003	3,460	4.6	50.1	2,447	12.1	54.5	472	21.6	2,133	25.7
2002	3,409	4.8	49.1	2,382	10.8	55.8	487	24.6	2,034	29.2
2001	2,523	5.3	48.2	1,718	11.5	54.4	311	20.3	1,473	31.0
2000	3,349	5.6	49.2	2,290	11.1	54.3	438	20.8	1,897	31.8
1999	3,295	5.2	46.5	2,195	13.1	51.5	451	22.2	1,954	26.7
1998	3,402	5.6	45.5	2,347	13.6	52.4	455	15.4	2,059	24.5
1997	3,044	5.0	45.3	2,423	13.9	52.5	446	13.5	2,440	13.3
1996	1,935	6.4	41.3	1,535	13.1	51.3	243	12.3	1,463	15.9
1995	2,810	6.2	41.0	2,353	15.0	48.9	460	15.4	2,275	15.9

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 16C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Maternal Health Indicators**

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Summary of Trends in Maternal Health Indicators (2)									
Year	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)		
	Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum
	Number	%	%	Number	%	%	Number	%	Number %
1994	0	*	*	0	*	*	0	*	0 *
1993	2,012	7.1	39.2	1,758	19.7	47.0	330	16.1	1,653 13.7
1992	788	5.7	37.2	684	16.8	46.8	144	18.1	614 12.9
1991	1,169	5.6	33.7	988	19.2	44.4	172	15.7	696 13.1
1990	2,038	6.2	36.1	1,703	18.0	47.8	341	20.8	1,309 13.1
1989	1,062	6.7	34.7	867	18.8	44.3	221	20.8	751 13.4

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 17C**  
**2009 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Maternal Behavioral Indicators**

<b>Summary of Trends in Maternal Behavioral Indicators</b> <sup>(2)</sup>					
Year	Medical Care			WIC Enrollment	
	1st Trimester		No Care	1st Trimester	
	Number	%	%	Number	%
2009	2,212	87.2	0.0	3,551	43.0
2008	2,182	87.2	0.0	3,616	44.2
2007	2,151	84.6	0.0	3,360	47.0
2006	0	*	*	0	*
2005	2,812	87.9	1.7	3,053	40.0
2004	2,782	87.0	1.9	2,834	42.7
2003	3,131	86.1	1.2	3,221	41.2
2002	3,088	83.6	3.0	3,151	41.0
2001	2,222	83.4	2.4	2,341	41.9
2000	3,019	83.5	3.5	3,093	40.1
1999	3,072	82.6	5.3	3,084	40.0
1998	3,256	73.6	16.2	3,244	40.1
1997	3,380	70.9	18.3	2,895	5.4
1996	2,173	73.4	15.8	1,852	0.8
1995	3,110	71.9	16.8	2,568	0.4
1994	0	*	*	0	*
1993	2,268	66.1	21.3	1,850	0.5

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 17C**  
**2009 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Maternal Behavioral Indicators**

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<b>Summary of Trends in Maternal Behavioral Indicators</b> <sup>(2)</sup>					
Year	Medical Care			WIC Enrollment	
	1st Trimester		No Care	1st Trimester	
	Number	%	%	Number	%
1992	882	68.5	18.1	718	0.0
1991	1,297	64.8	20.7	1,023	0.9
1990	2,335	63.4	22.8	1,801	0.4
1989	1,233	62.8	23.5	928	0.0

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 18C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Smoking Indicators**

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Summary of Trends in Smoking Indicators (2)										
Year	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	%	Number	%		Number	%	Number	%	
2009	3,217	46.6	3,245	25.5	1,110	33.3	3,063	18.0	3,114	7.6
2008	3,278	48.1	3,170	24.4	1,120	34.5	3,174	21.7	3,036	12.1
2007	3,110	48.1	3,500	25.9	938	34.6	2,257	21.2	3,355	14.8
2006	0	*	0	*	0	*	0	*	0	*
2005	3,014	48.8	2,578	26.9	985	37.6	2,587	30.7	2,459	23.4
2004	2,901	47.7	2,452	25.1	894	36.5	2,511	32.8	2,376	28.1
2003	3,338	47.8	2,815	26.1	1,039	34.9	2,863	33.5	2,765	27.5
2002	3,253	49.2	2,772	27.5	1,012	32.3	2,761	33.1	2,737	28.6
2001	2,397	49.4	1,983	26.0	707	37.8	2,043	35.0	1,950	30.4
2000	3,180	47.8	2,654	27.2	917	33.9	2,635	33.9	2,609	30.1
1999	3,174	46.6	2,630	26.8	909	30.7	2,584	35.0	2,516	30.0
1998	3,322	47.0	2,842	26.6	979	34.0	2,756	36.9	2,647	31.6
1997	3,484	45.2	2,982	27.6	987	30.1	2,963	35.3	2,922	31.6
1996	2,288	42.4	1,851	25.0	561	31.6	1,897	35.8	1,813	30.2
1995	3,174	42.8	2,786	26.1	850	30.7	2,628	37.0	2,724	32.2
1994	0	*	0	*	0	*	0	*	0	*
1993	2,077	43.3	2,001	28.4	215	0.0	1,172	57.8	1,392	47.8

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 18C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Smoking Indicators**

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Summary of Trends in Smoking Indicators (2)										
Year	Smoking		Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household						
	3 Months Prior to Pregnancy			Prenatal		Postpartum				
	Number	%		Number	%	Number	%			
1992	739	47.1	770	30.3	98	*	455	61.8	431	56.8
1991	1,131	40.8	1,103	27.7	151	0.0	1,085	34.2	1,094	31.6
1990	2,052	41.7	1,986	29.3	254	0.0	1,994	33.9	1,973	31.2
1989	917	44.5	1,031	32.1	154	0.0	894	40.0	1,030	33.6

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 19C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Infant Health Indicators**

Summary of Trends in Infant Health Indicators (2)									
Year	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
	Low (3)		High (4)						
	Number	%	%	Number	%	Number	%	Number	%
2009	1,677	8.2	8.7	1,394	12.4	1,214	2.1	2,065	27.2
2008	1,902	8.7	9.5	1,621	12.3	1,415	3.0	1,970	32.8
2007	1,930	7.9	11.6	1,471	12.7	1,284	2.6	1,966	21.8
2006	0	*	*	0	*	0	*	0	*
2005	2,342	6.7	9.6	2,141	11.8	1,816	2.6	2,439	56.8
2004	2,362	5.6	10.1	2,049	11.8	1,743	1.8	2,436	54.9
2003	2,758	6.9	9.8	2,328	10.6	2,044	2.1	2,795	54.8
2002	2,695	7.1	9.6	2,284	11.7	1,952	3.4	2,777	54.6
2001	1,941	6.1	10.1	1,666	10.1	1,450	2.3	2,012	52.6
2000	2,490	6.4	10.7	2,237	11.8	1,838	2.1	2,672	54.4
1999	2,508	6.7	11.0	2,204	11.3	1,811	2.1	2,695	50.8
1998	2,728	6.7	11.9	2,387	10.9	1,979	2.1	2,940	49.6
1997	2,883	6.1	12.1	2,493	9.5	2,113	2.1	3,080	47.8
1996	1,688	5.5	12.0	1,453	9.9	1,253	2.2	1,764	49.7

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 19C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Infant Health Indicators**

Summary of Trends in Infant Health Indicators (2)									
Year	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
	Low (3)		High (4)						
	Number	%	%	Number	%	Number	%	Number	%
1995	2,507	5.8	11.2	2,110	10.0	1,799	2.1	2,640	46.4
1994	0	*	*	0	*	0	*	0	*
1993	1,972	5.9	12.1	1,635	9.5	1,406	2.5	943	100.0
1992	787	4.8	13.5	650	9.1	570	2.3	367	100.0
1991	1,082	5.7	10.3	790	8.9	698	3.2	428	99.8
1990	1,919	5.7	13.5	1,458	7.7	1,304	3.0	774	100.0
1989	1,016	6.1	13.3	781	7.9	696	3.3	385	100.0

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 20C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**

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**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)											
Race/Ethnicity and Year		Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
		Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum	
		Number	%	%	Number	%	%	Number	%	Number	%
White, Not Hispanic	2009	2,354	2.8	55.4	2,004	14.3	54.0	457	23.0	1,427	17.4
	2008	2,411	2.8	54.2	2,037	14.8	53.9	463	21.4	1,850	16.4
	2007	2,353	3.1	54.1	1,951	12.7	55.8	415	18.6	2,087	16.7
	2006	0	*	*	0	*	*	0	*	0	*
	2005	2,255	5.1	51.4	1,593	11.6	55.7	312	17.9	1,408	28.1
	2004	2,253	4.0	52.0	1,632	11.1	55.3	299	21.7	1,426	27.9
	2003	2,534	4.9	48.5	1,834	11.2	54.1	332	16.9	1,557	25.4
	2002	2,561	5.2	48.0	1,832	10.7	55.8	351	22.8	1,530	28.3
	2001	1,851	5.9	46.6	1,279	11.0	54.1	218	18.3	1,097	29.6
	2000	2,537	5.8	47.5	1,771	10.8	52.9	346	19.9	1,472	32.5
Black, Not Hispanic	2009	137	3.6	58.4	118	25.4	35.6	20	*	84	*
	2008	122	1.6	50.8	103	32.0	32.0	24	*	91	*
	2007	115	2.6	54.8	92	*	*	21	*	106	32.1
	2006	0	*	*	0	*	*	0	*	0	*
	2005	94	*	*	64	*	*	13	*	57	*
	2004	80	*	*	50	*	*	18	*	51	*
	2003	99	*	*	70	*	*	15	*	70	*
	2002	80	*	*	51	*	*	14	*	50	*
	2001	79	*	*	59	*	*	10	*	46	*
	2000	79	*	*	43	*	*	3	*	40	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 20C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**

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**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)										
Race/Ethnicity and Year		Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)		
		Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum
		Number	%	%	Number	%	%	Number	%	Number %
Hispanic	2009	254	1.2	55.9	207	16.9	51.7	43	*	135 27.4
	2008	250	2.4	54.8	200	15.0	55.5	48	*	171 29.8
	2007	273	1.8	59.3	202	15.3	52.5	47	*	205 29.3
	2006	0	*	*	0	*	*	0	*	0 *
	2005	125	2.4	59.2	68	*	*	15	*	58 *
	2004	131	4.6	51.1	65	*	*	18	*	58 *
	2003	171	3.5	60.8	101	15.8	56.4	22	*	85 *
	2002	132	7.6	50.0	66	*	*	16	*	54 *
	2001	112	0.9	50.9	55	*	*	16	*	45 *
	2000	136	5.1	58.8	67	*	*	15	*	46 *
American Indian/Alaska Native	2009	631	2.9	62.4	556	18.2	51.1	97	*	313 32.3
	2008	659	1.7	60.4	551	14.5	55.9	95	*	414 31.4
	2007	659	2.1	62.5	564	15.8	56.0	105	38.1	503 32.8
	2006	0	*	*	0	*	*	0	*	0 *
	2005	650	2.6	59.5	442	10.9	57.2	97	*	350 37.1
	2004	544	2.8	57.5	387	10.1	64.9	77	*	340 35.6
	2003	620	2.9	55.3	416	13.2	57.7	100	34.0	400 25.0
	2002	601	2.3	55.4	403	9.4	58.8	97	*	373 28.7
	2001	448	4.0	56.9	299	8.7	60.9	63	*	265 30.6
	2000	550	3.8	56.2	371	10.0	62.5	65	*	310 28.4

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 20C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
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**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

Summary of Trends in Maternal Health Indicators by Race/Ethnicity											(2)
Race/Ethnicity and Year		Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
		Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum	
		Number	%	%	Number	%	%	Number	%	Number	%
Asian/Pacific Islander	2009	35	*	*	28	*	*	9	*	13	*
	2008	41	*	*	33	*	*	12	*	31	*
	2007	37	*	*	28	*	*	7	*	39	*
	2006	0	*	*	0	*	*	0	*	0	*
	2005	38	*	*	25	*	*	6	*	23	*
	2004	36	*	*	24	*	*	7	*	11	*
	2003	36	*	*	26	*	*	3	*	21	*
	2002	35	*	*	30	*	*	9	*	27	*
	2001	33	*	*	26	*	*	4	*	20	*
2000	47	*	*	38	*	*	9	*	29	*	
Multiple Races	2009	90	*	*	77	*	*	10	*	57	*
	2008	101	3.0	53.5	84	*	*	21	*	80	*
	2007	88	*	*	73	*	*	20	*	78	*
	2006	0	*	*	0	*	*	0	*	0	*
	2005	0	*	*	0	*	*	0	*	0	*
	2004	0	*	*	0	*	*	0	*	0	*
	2003	0	*	*	0	*	*	0	*	0	*
	2002	0	*	*	0	*	*	0	*	0	*
	2001	0	*	*	0	*	*	0	*	0	*
	2000	0	*	*	0	*	*	0	*	0	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 20C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**

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**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)										
Race/Ethnicity and Year		Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)		
		Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum
		Number	%	%	Number	%	%	Number	%	Number %
All Other/Unknown	2009	3	*	*	0	*	*	0	*	1 *
	2008	2	*	*	1	*	*	0	*	1 *
	2007	7	*	*	1	*	*	0	*	0 *
	2006	0	*	*	0	*	*	0	*	0 *
	2005	0	*	*	0	*	*	0	*	0 *
	2004	0	*	*	0	*	*	0	*	0 *
	2003	0	*	*	0	*	*	0	*	0 *
	2002	0	*	*	0	*	*	0	*	0 *
	2001	0	*	*	0	*	*	0	*	0 *
	2000	0	*	*	0	*	*	0	*	0 *
Total All Race/Ethnic Groups	2009	3,504	2.8	56.5	2,990	15.8	52.6	636	27.2	2,030 21.3
	2008	3,586	2.6	55.1	3,009	15.3	53.7	663	26.7	2,638 20.4
	2007	3,532	2.7	56.1	2,911	13.9	55.3	615	24.4	3,018 21.2
	2006	0	*	*	0	*	*	0	*	0 *
	2005	3,162	4.6	52.9	2,192	11.7	55.4	443	22.3	1,896 30.4
	2004	3,044	3.8	52.4	2,158	11.4	56.3	419	24.6	1,886 30.4
	2003	3,460	4.6	50.1	2,447	12.1	54.5	472	21.6	2,133 25.7
	2002	3,409	4.8	49.1	2,382	10.8	55.8	487	24.6	2,034 29.2
	2001	2,523	5.3	48.2	1,718	11.5	54.4	311	20.3	1,473 31.0
	2000	3,349	5.6	49.2	2,290	11.1	54.3	438	20.8	1,897 31.8

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

(4) Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 21C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**

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**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
White, Not Hispanic	2009	1,462	89.7	0.0	2,381	42.5
	2008	1,497	89.8	0.0	2,427	44.1
	2007	1,444	87.2	0.0	2,233	46.8
	2006	0	*	*	0	*
	2005	2,030	90.0	1.3	2,153	41.1
	2004	2,095	90.0	1.6	2,079	42.9
	2003	2,329	88.3	1.1	2,326	41.6
	2002	2,370	85.8	3.0	2,333	41.0
	2001	1,659	86.1	2.1	1,698	42.0
	2000	2,334	85.0	3.3	2,313	39.8
Black, Not Hispanic	2009	94	*	*	141	44.0
	2008	57	*	*	121	47.9
	2007	58	*	*	111	41.4
	2006	0	*	*	0	*
	2005	82	*	*	91	*
	2004	72	*	*	83	*
	2003	88	*	*	103	32.0
	2002	69	*	*	80	*
	2001	76	*	*	77	*
	2000	68	*	*	78	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 21C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**

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**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
Hispanic	2009	154	86.4	0.0	254	43.7
	2008	132	88.6	0.0	253	44.7
	2007	142	87.3	0.0	263	48.7
	2006	0	*	*	0	*
	2005	96	*	*	128	39.8
	2004	95	*	*	124	46.8
	2003	135	82.2	2.2	165	41.8
	2002	96	*	*	127	42.5
	2001	77	*	*	112	33.0
	2000	91	*	*	126	40.5
American Indian/Alaska Native	2009	426	79.6	0.0	641	44.5
	2008	409	77.3	0.0	667	44.5
	2007	432	76.2	0.0	616	47.1
	2006	0	*	*	0	*
	2005	572	78.8	3.7	645	36.9
	2004	488	74.2	3.5	518	42.3
	2003	549	77.8	1.6	596	40.8
	2002	518	73.9	3.5	577	41.6
	2001	380	73.9	3.4	427	43.6
	2000	481	77.1	3.7	535	41.7

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.





**Table 21C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**

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**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
Asian/Pacific Islander	2009	18	*	*	37	*
	2008	23	*	*	44	*
	2007	21	*	*	38	*
	2006	0	*	*	0	*
	2005	32	*	*	36	*
	2004	32	*	*	30	*
	2003	30	*	*	31	*
	2002	35	*	*	34	*
	2001	30	*	*	27	*
	2000	45	*	*	41	*
Multiple Races	2009	58	*	*	92	*
	2008	64	*	*	102	45.1
	2007	54	*	*	91	*
	2006	0	*	*	0	*
	2005	0	*	*	0	*
	2004	0	*	*	0	*
	2003	0	*	*	0	*
	2002	0	*	*	0	*
	2001	0	*	*	0	*
	2000	0	*	*	0	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 21C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**

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**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
All Other/Unknown	2009	0	*	*	5	*
	2008	0	*	*	2	*
	2007	0	*	*	8	*
	2006	0	*	*	0	*
	2005	0	*	*	0	*
	2004	0	*	*	0	*
	2003	0	*	*	0	*
	2002	0	*	*	0	*
	2001	0	*	*	0	*
	2000	0	*	*	0	*
Total All Race/Ethnic Groups	2009	2,212	87.2	0.0	3,551	43.0
	2008	2,182	87.2	0.0	3,616	44.2
	2007	2,151	84.6	0.0	3,360	47.0
	2006	0	*	*	0	*
	2005	2,812	87.9	1.7	3,053	40.0
	2004	2,782	87.0	1.9	2,834	42.7
	2003	3,131	86.1	1.2	3,221	41.2
	2002	3,088	83.6	3.0	3,151	41.0
	2001	2,222	83.4	2.4	2,341	41.9
	2000	3,019	83.5	3.5	3,093	40.1

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 22C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Smoking Indicators by Race/Ethnicity**

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Summary of Trends in Smoking Indicators by Race/Ethnicity (2)											
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
White, Not Hispanic	2009	2,125	46.5	2,209	25.3	739	33.4	2,028	17.1	2,107	7.7
	2008	2,193	46.9	2,173	23.8	736	34.8	2,118	21.3	2,083	12.9
	2007	2,065	47.7	2,375	26.5	603	31.0	1,501	20.7	2,273	15.9
	2006	0	*	0	*	0	*	0	*	0	*
	2005	2,144	48.2	1,869	25.9	692	38.3	1,822	31.6	1,772	24.7
	2004	2,153	46.7	1,862	23.7	639	36.9	1,828	32.0	1,795	29.4
	2003	2,424	47.3	2,101	25.6	757	35.1	2,049	33.5	2,058	28.6
	2002	2,429	47.1	2,134	25.9	720	33.6	2,023	32.9	2,103	27.7
	2001	1,748	48.8	1,472	25.3	504	38.3	1,478	35.5	1,448	31.4
	2000	2,406	46.8	2,059	25.9	657	35.5	1,947	34.2	2,025	31.1
Black, Not Hispanic	2009	132	7.6	133	5.3	5	*	122	5.7	127	1.6
	2008	106	9.4	107	3.7	4	*	101	8.9	94	*
	2007	98	*	112	5.4	7	*	72	*	103	9.7
	2006	0	*	0	*	0	*	0	*	0	*
	2005	90	*	78	*	5	*	77	*	76	*
	2004	79	*	65	*	8	*	74	*	64	*
	2003	100	16.0	85	*	6	*	91	*	85	*
	2002	79	*	64	*	9	*	73	*	64	*
	2001	81	*	72	*	10	*	66	*	70	*
	2000	80	*	59	*	12	*	68	*	54	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 22C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Smoking Indicators by Race/Ethnicity**

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Summary of Trends in Smoking Indicators by Race/Ethnicity (2)											
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
Hispanic	2009	232	30.6	228	14.0	44	*	221	14.0	220	6.8
	2008	225	34.2	219	13.2	55	*	223	14.3	207	11.1
	2007	233	32.2	239	15.1	42	*	170	21.8	226	11.9
	2006	0	*	0	*	0	*	0	*	0	*
	2005	121	18.2	84	*	11	*	106	21.7	81	*
	2004	122	21.3	69	*	14	*	112	33.0	68	*
	2003	168	17.9	119	12.6	13	*	142	23.9	118	18.6
	2002	127	26.8	80	*	20	*	109	21.1	80	*
	2001	105	21.0	64	*	9	*	88	*	63	*
2000	124	22.6	78	*	13	*	103	26.2	76	*	
American Indian/Alaska Native	2009	598	62.0	550	35.8	280	33.9	571	23.6	538	8.9
	2008	619	64.3	551	35.6	278	29.9	605	29.1	539	11.7
	2007	595	61.3	638	32.3	248	40.7	430	23.5	620	12.9
	2006	0	*	0	*	0	*	0	*	0	*
	2005	623	63.6	518	37.6	275	33.5	550	33.6	501	23.8
	2004	517	63.4	427	37.5	228	32.0	476	39.3	422	27.5
	2003	613	64.1	481	36.6	256	32.8	551	40.7	475	28.6
	2002	587	67.3	462	41.3	255	25.9	526	38.4	459	36.2
	2001	432	66.7	347	37.2	182	34.1	388	38.1	343	30.3
	2000	529	64.7	416	42.1	232	25.4	482	38.2	412	29.9

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 22C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Smoking Indicators by Race/Ethnicity**

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Summary of Trends in Smoking Indicators by Race/Ethnicity										(2)	
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
Asian/Pacific Islander	2009	33	*	34	*	4	*	33	*	32	*
	2008	39	*	36	*	8	*	35	*	33	*
	2007	35	*	42	*	5	*	24	*	40	*
	2006	0	*	0	*	0	*	0	*	0	*
	2005	36	*	29	*	2	*	32	*	29	*
	2004	30	*	29	*	5	*	21	*	27	*
	2003	33	*	29	*	7	*	30	*	29	*
	2002	31	*	32	*	8	*	30	*	31	*
	2001	31	*	28	*	2	*	23	*	26	*
2000	41	*	42	*	3	*	35	*	42	*	
Multiple Races	2009	94	*	91	*	38	*	85	*	90	*
	2008	96	*	84	*	39	*	92	*	80	*
	2007	84	*	94	*	33	*	60	*	93	*
	2006	0	*	0	*	0	*	0	*	0	*
	2005	0	*	0	*	0	*	0	*	0	*
	2004	0	*	0	*	0	*	0	*	0	*
	2003	0	*	0	*	0	*	0	*	0	*
	2002	0	*	0	*	0	*	0	*	0	*
	2001	0	*	0	*	0	*	0	*	0	*
	2000	0	*	0	*	0	*	0	*	0	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 22C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Smoking Indicators by Race/Ethnicity**

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Summary of Trends in Smoking Indicators by Race/Ethnicity (2)											
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household				
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
		Number	%	Number	%		Number	%	Number	%	
All Other/Unknown	2009	3	*	0	*	0	*	3	*	0	*
	2008	0	*	0	*	0	*	0	*	0	*
	2007	0	*	0	*	0	*	0	*	0	*
	2006	0	*	0	*	0	*	0	*	0	*
	2005	0	*	0	*	0	*	0	*	0	*
	2004	0	*	0	*	0	*	0	*	0	*
	2003	0	*	0	*	0	*	0	*	0	*
	2002	0	*	0	*	0	*	0	*	0	*
	2001	0	*	0	*	0	*	0	*	0	*
	2000	0	*	0	*	0	*	0	*	0	*
Total All Race/Ethnic Groups	2009	3,217	46.6	3,245	25.5	1,110	33.3	3,063	18.0	3,114	7.6
	2008	3,278	48.1	3,170	24.4	1,120	34.5	3,174	21.7	3,036	12.1
	2007	3,110	48.1	3,500	25.9	938	34.6	2,257	21.2	3,355	14.8
	2006	0	*	0	*	0	*	0	*	0	*
	2005	3,014	48.8	2,578	26.9	985	37.6	2,587	30.7	2,459	23.4
	2004	2,901	47.7	2,452	25.1	894	36.5	2,511	32.8	2,376	28.1
	2003	3,338	47.8	2,815	26.1	1,039	34.9	2,863	33.5	2,765	27.5
	2002	3,253	49.2	2,772	27.5	1,012	32.3	2,761	33.1	2,737	28.6
	2001	2,397	49.4	1,983	26.0	707	37.8	2,043	35.0	1,950	30.4
	2000	3,180	47.8	2,654	27.2	917	33.9	2,635	33.9	2,609	30.1

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 23C**  
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**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

Summary of Trends in Infant Health Indicators by Race/Ethnicity (2)										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
White, Not Hispanic	2009	1,127	9.5	8.2	918	12.5	799	2.6	1,358	29.9
	2008	1,295	9.4	8.8	1,095	12.3	957	3.1	1,332	34.6
	2007	1,266	8.4	10.1	953	11.5	843	2.6	1,284	23.3
	2006	0	*	*	0	*	0	*	0	*
	2005	1,787	6.8	9.1	1,634	11.2	1,390	2.6	1,866	58.0
	2004	1,861	5.6	9.9	1,600	11.7	1,361	1.8	1,917	57.2
	2003	2,096	7.0	9.2	1,749	10.6	1,540	2.1	2,121	57.5
	2002	2,101	6.9	8.8	1,774	11.4	1,516	3.2	2,167	57.4
	2001	1,484	6.3	9.4	1,263	9.7	1,101	2.3	1,539	55.0
	2000	1,952	6.5	9.8	1,738	11.9	1,414	1.9	2,107	57.3
Black, Not Hispanic	2009	58	*	*	54	*	46	*	73	*
	2008	53	*	*	43	*	39	*	54	*
	2007	52	*	*	39	*	31	*	54	*
	2006	0	*	*	0	*	0	*	0	*
	2005	71	*	*	65	*	54	*	74	*
	2004	63	*	*	58	*	53	*	65	*
	2003	77	*	*	72	*	64	*	78	*
	2002	66	*	*	60	*	51	*	69	*
	2001	67	*	*	56	*	53	*	69	*
	2000	57	*	*	49	*	43	*	62	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 23C**  
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**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

Summary of Trends in Infant Health Indicators by Race/Ethnicity										(2)
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
Hispanic	2009	119	2.5	7.6	92	*	82	*	139	25.2
	2008	129	7.0	7.0	106	10.4	95	*	133	34.6
	2007	124	7.3	7.3	98	*	87	*	126	26.2
	2006	0	*	*	0	*	0	*	0	*
	2005	81	*	*	76	*	67	*	84	*
	2004	75	*	*	64	*	52	*	78	*
	2003	122	4.9	9.0	99	*	89	*	123	58.5
	2002	81	*	*	66	*	53	*	84	*
	2001	63	*	*	60	*	50	*	70	*
	2000	76	*	*	67	*	55	*	82	*
American Indian/Alaska Native	2009	313	6.4	12.5	282	13.1	244	1.2	420	14.0
	2008	352	7.4	13.1	313	14.1	265	3.0	377	19.4
	2007	424	6.1	17.9	334	14.1	287	2.1	436	12.6
	2006	0	*	*	0	*	0	*	0	*
	2005	374	6.4	13.1	340	14.4	283	2.5	386	42.7
	2004	337	5.9	13.6	309	12.6	263	1.9	348	34.8
	2003	438	6.8	14.6	387	11.4	333	2.1	447	36.0
	2002	417	7.2	14.9	356	12.6	307	3.6	427	36.8
	2001	303	5.9	14.9	268	12.3	231	2.6	308	34.7
	2000	365	6.0	16.4	349	12.3	295	2.4	379	32.7

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) <2500 g.

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(5) <37 weeks gestation.

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\* Percentages are not calculated if <100 records are available for analysis after exclusions.





**Table 23C**  
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**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

Summary of Trends in Infant Health Indicators by Race/Ethnicity										(2)
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
Asian/Pacific Islander	2009	13	*	*	9	*	9	*	17	*
	2008	24	*	*	20	*	18	*	24	*
	2007	17	*	*	10	*	8	*	17	*
	2006	0	*	*	0	*	0	*	0	*
	2005	29	*	*	26	*	22	*	29	*
	2004	26	*	*	18	*	14	*	28	*
	2003	25	*	*	21	*	18	*	26	*
	2002	30	*	*	28	*	25	*	30	*
	2001	24	*	*	19	*	15	*	26	*
	2000	40	*	*	34	*	31	*	42	*
Multiple Races	2009	47	*	*	39	*	34	*	58	*
	2008	49	*	*	44	*	41	*	50	*
	2007	47	*	*	37	*	28	*	49	*
	2006	0	*	*	0	*	0	*	0	*
	2005	0	*	*	0	*	0	*	0	*
	2004	0	*	*	0	*	0	*	0	*
	2003	0	*	*	0	*	0	*	0	*
	2002	0	*	*	0	*	0	*	0	*
	2001	0	*	*	0	*	0	*	0	*
	2000	0	*	*	0	*	0	*	0	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

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\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 23C**  
**2009 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

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Summary of Trends in Infant Health Indicators by Race/Ethnicity (2)										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
All Other/Unknown	2009	0	*	*	0	*	0	*	0	*
	2008	0	*	*	0	*	0	*	0	*
	2007	0	*	*	0	*	0	*	0	*
	2006	0	*	*	0	*	0	*	0	*
	2005	0	*	*	0	*	0	*	0	*
	2004	0	*	*	0	*	0	*	0	*
	2003	0	*	*	0	*	0	*	0	*
	2002	0	*	*	0	*	0	*	0	*
	2001	0	*	*	0	*	0	*	0	*
	2000	0	*	*	0	*	0	*	0	*
Total All Race/Ethnic Groups	2009	1,677	8.2	8.7	1,394	12.4	1,214	2.1	2,065	27.2
	2008	1,902	8.7	9.5	1,621	12.3	1,415	3.0	1,970	32.8
	2007	1,930	7.9	11.6	1,471	12.7	1,284	2.6	1,966	21.8
	2006	0	*	*	0	*	0	*	0	*
	2005	2,342	6.7	9.6	2,141	11.8	1,816	2.6	2,439	56.8
	2004	2,362	5.6	10.1	2,049	11.8	1,743	1.8	2,436	54.9
	2003	2,758	6.9	9.8	2,328	10.6	2,044	2.1	2,795	54.8
	2002	2,695	7.1	9.6	2,284	11.7	1,952	3.4	2,777	54.6
	2001	1,941	6.1	10.1	1,666	10.1	1,450	2.3	2,012	52.6
	2000	2,490	6.4	10.7	2,237	11.8	1,838	2.1	2,672	54.4

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

